

REMARKS

With entry of this amendment, claims 1-8 and 24-33 are pending in this applications. Of these, claims 1-8 stand rejected and claims 24-33 have been newly added. Based on the foregoing amendments and following remarks, reconsideration and allowance of this application is respectfully requested.

Election/Restriction

Claims 1-8 (group I) and now-cancelled claims 13-23 (group II) have been restricted. Applicant hereby elects claims 1-8 (group I) to prosecute without traverse.

Drawing Objections

The drawings stand objected to because the figures were found to be uneven and unclear. Applicant will submit corrected drawings sheets in compliance with 37 CFR §1.121(d) after allowance of the application.

Claim Rejection-35 U.S.C. §112

Claims 1 and 5 stand rejected under 35 U.S.C. §112, second paragraph, because the limitation “said initiator signal” lacks sufficient antecedent basis. Claims 1 and 5 have been accordingly amended to refer to the limitation “the sets of target signals and initiator signals,” which have antecedent basis. As such, Applicant respectfully requests withdrawal of the §112 rejections of claims 1 and 5.

Claim Rejections-35 U.S.C. §102

Claims 1-8 stand rejected under 35 U.S.C. §102(e), as being anticipated by U.S. Patent No. 6,477,691 to Bergamashi/Rab et al. (“Bergamashi”). Without acquiescence that Bergamashi is a §102(e) prior art reference, and without prejudice to antedate this reference should it become

necessary, Applicant respectfully traverses this rejection, since Bergamashi does not disclose each and every element required by these claims.

In particular, independent claims 1 and 5 require “a state machine to perform as a target and an initiator of a communication.” Although the Examiner has stated that Bergamashi discloses a state machine, Applicant cannot find any disclosure in Bergamashi indicating that a state machine can be used to perform as a target and an initiator of communication. Indeed, Bergamashi maps desired virtual pins into some of the existing real pins or combines them using “simple logic functions.” (see col. 7, lines 25-26). In fact, Bergamashi explicitly states “this capability is not aimed at creating full interface logic between components (such as the automatic synthesis of protocols), but primarily targeted at creating simple glue logic which can be described as a simple Boolean expression.” (see col. 7, lines 46-50).

Thus, Applicant submits that independent claims 1 and 5, as well as the claims depending therefrom (claims 2-3 and 6-8), are not anticipated by Bergamashi, and as such, respectfully request withdrawal of the §102 rejections of these claims.

#### New Claims

Applicant submits that newly added claims 24-33 find support in the specification, as originally filed, and are patentable over the prior art for at least the same reasons that independent claims 1 and 5 from which they depend are.

#### Conclusion

Based on the foregoing, it is believed that, with entry of this amendment, all claims are now allowable and a Notice of Allowance is respectfully requested. If the Examiner has any questions or

comments regarding this amendment, the Examiner is respectfully requested to contact the undersigned at (714) 830-0600.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Michael J. Bolan", written over a horizontal line.

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